

## NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Electronics and Communication Engineering - NOC:Enclosure Design of Electronics Equipmen

Subject Co-ordinator - Prof. N. V Chalapathi Rao

Co-ordinating Institute - IISc - Bangalore

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Enclosure design for Electronics Equipment Introduction

Lecture 2 - Aspects and features that are non electrical and are essential to Electronic Product Realisation

Lecture 3 - Enclosure Design in electronic equipment

Lecture 4 - Design as applied to small electronics products and projects

Lecture 5 - Sketching in design for communication

Lecture 6 - Sketching as a tool with example and exercise

Lecture 7 - Sketching Part 2

Lecture 8 - Enclosures to Product design

Lecture 9 - Examples of product enclosures ID\_PD

Lecture 10 - Enclosures with detailing

Lecture 11 - Alternate Designs in an everyday item

Lecture 12 - Sheet metal in small equipment (PSU)

Lecture 13 - Layouts and Materials of small equipment

Lecture 14 - Materials used for construction

Lecture 15 - Materials choice

Lecture 16 - Aluminium for common equipment

Lecture 17 - Use of Aluminium extrusions

Lecture 18 - Application of Sheet metal

Lecture 19 - Sheet Metal bending

Lecture 20 - Development of enclosures for bending

Lecture 21 - Video of Fabrication

Lecture 22 - What can be done in the lab Bending

Lecture 23 - Issues in bending and folding

Lecture 24 - Making a quick model

Lecture 25 - Detailing in plastic

Lecture 26 - Fabricating with flat plastic

Lecture 27 - Video in ID Lab

Lecture 28 - Off the shelf enclosures

Lecture 29 - Ready made enclosures

---

Get Digi-MAT (Digital Media Access Terminal) For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

[www.digimat.in](http://www.digimat.in)

## NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

---

- Lecture 30 - Application documentation and Selection
- Lecture 31 - Index of protection, Safety
- Lecture 32 - NEMA and related
- Lecture 33 - Testing for IP class
- Lecture 34 - Sealed Enclosures Video
- Lecture 35 - Public utility boxes
- Lecture 36 - EMI Sealing
- Lecture 37 - Sealed Enclosures 2
- Lecture 38 - Gasketing practice
- Lecture 39 - Gasketing Basics
- Lecture 40 - Off the shelf Aluminum enclosures
- Lecture 41 - Understanding
- Lecture 42 - Heat sink enclosures
- Lecture 43 - Detailing of Built in Heat sink boxes
- Lecture 44 - Connector basics
- Lecture 45 - Connectors - Part 2
- Lecture 46 - Common connectors
- Lecture 47 - Connectors (multi way) and CoAx
- Lecture 48 - MIL C connectors
- Lecture 49 - CAD in Layout Drawing
- Lecture 50 - Types of CAD
- Lecture 51 - CAD for enclosure Design
- Lecture 52 - Egpt layout with CAD
- Lecture 53 - CAD sample Example
- Lecture 54 - CAD Layout
- Lecture 55 - Detailing with CAD
- Lecture 56 - Integrating Products with CAD
- Lecture 57 - Product Detailing
- Lecture 58 - Components CAD Physical Models
- Lecture 59 - Sheet Metal and Plastic common details
- Lecture 60 - Sample of Simple Organic Shapes
- Lecture 61 - Conclusion